

ABSTRACT OF THE DISCLOSURE

A method and apparatus for increasing spatial energy coverage in a furnace is provided. The apparatus of the present invention includes a panel positioned at least partially into a sidewall of a furnace. The panel includes a plurality of openings for injecting a material through each of the openings at least partially during the same time period. The method of the present invention includes positioning the panel at least partially within the sidewall of a furnace. The method also includes injecting at least partially during the same time period, a primary combustion material, a secondary combustion material, and a particulate material, into the furnace.